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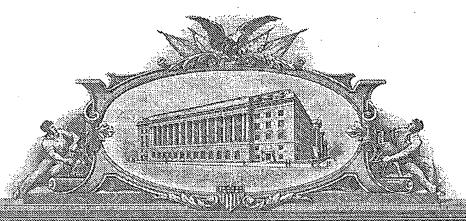
16 March 2004 (16.03.2004)

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UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

July 19, 2005

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APPLICATION NUMBER: 60/553,484

FILING DATE: March 16, 2004

RELATED PCT APPLICATION NUMBER: PCT/US05/08866

Certified by

Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53 (c).

		· · · · · · · · · · · · · · · · · · ·	OB(E)			· -
INVENTOR(S) Residence						
Given Name (first and middle [if any])		Family Name or Surname		(City and either State or Foreign C		i i
Thaddeus C.		George			Seattle, WA	
David A.		Basiji			Seattle, WA	
Additional inventor					reto	
· · · · · · · · · · · · · · · · · · ·	TITLE O	F THE INVENTIO	N (500 charac	cters max)		
IM/	AGE BASED QUA	ANTITATION OF	MOLECUL	AR TRANSLO	CATION	
CORRESPONDENCE ADDRESS Direct all correspondence to:						
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Country		Tele	ephone		Fax	
	ENCLOSED	APPLICATION P.	ARTS (check	all that apply)		
Specification Number of Pages 23 CD(s), Number						
Drawing(s) Numi	ber of Sheets	10	🛛 Ot	her (specify)	Fee Transi	nittal (+ copy)
Application Data Sheet. See 37 CFR 1.76						
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT						
Applicant claims small entity status. See 37 CFR 1.27. Filling Fee Amount						
A check or money order is enclosed to cover the filing fees.						
The Director is hereby authorized to charge filing						
fees or credit overpayments to Deposit Account Number: 19-1090						
Payment by credit card. Form PTO-2038 is attached.						
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.						
⊠ No.						
Yes, the name of the U.S. Government agency and the Government contract number are:						
Respectfully submitted,	10			T		
SIGNATURE	1/11	_	DATE 3//	1/04 1	March 16, 2	004
TYPED or PRINTED NAME	Karl R. Hermani	ns	REGISTRAT		33,507	
TELEPHONE	206-622-4900		DOCKET N	JMBER: 1	20122.406	P1

[Page 1 of 2]

PROVISIONAL APPLICATION COVER SHEET Additional Page

PTO/SB/16 (01-04)
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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<u> </u>	Docket No.	120122.405P1				
	INVENTOR(S)/APF	PLICANT(S)				
Given Name (first and middle [if any])	Family or Surname	Residence (City and either State or Foreign Country)				
* Keith	Frost	Seattle, WA				
Brian E. William E.	Hall Ortyn	Seattle, WA Bainbridge Island, WA				
Michael J.	Seo	Mercer Island, WA				
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[Page 2 of 2]

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	Complete If Known			
FEE TRANSMITTAL	Application Number			
for FY 2004	Filing Date			
	First Named Inventor	Thaddeus C. George		
Patent fees are subject to annual revision.	Examiner Name			
Applicant claims small entity status. See 37 CFR 1.27.	Art Unit			
TOTAL AMOUNT OF PAYMENT (\$) 80	Attorney Docket No.	120122.406P1		

METHOD OF PAYMENT	7 [· ·			FEE C	ALCULATION (continued)	
	-1 F	3. ADDIT	TONAL				
Payment Enclosed:	11	Large E		ng _			
Check Credit card Money Order Other	11	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	P
Deposit Account:	11	1051	130	2051		Surcharge - late filing fee or oath	
Deposit Account 19-1090		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
Number Deposit	11	1053	130	1053	130	Non-English specification	
Account Name Seed Intellectual Property Law Group	11	1812	2520	1812	2520	For filing a request for ex parte reexamination	
The Director is authorized to (check all that apply)		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below Credit any overpayments		1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	
Charge any additional fee(s) during the pendency of this application	- 1 1	1251	110	2251	55	Extension for reply within first month	
Charge fee(s) indicated below, except for the filing fee	11	1252	420	2252	210	Extension for reply within second month	
Charge any deficiencles		1253	950	2253	475	Extension for reply within third month	
to the above-identified deposit account.	.	1254	1480	2254	740	Extension for reply within fourth month	
FEE CALCULATION	-1 . I	1255	2010	2255	1005	Extension for reply within fifth month	
1. BASIC FILING FEE	1	1401	330	2401	165	Notice of Appeal	
Large Entity Small Entity	11	1402	330	2402	165	Filing a brief in support of an appeal	
Fee Fee(\$) Fee Fee(\$) Fee Description Fee	11	1403	290	2403	145	Request for oral hearing	
Code Code Pald 1001 770 2001 385 Utility filing fee		1451	1510	1451	1510	Petition to institute a public use proceeding	
1002 340 2002 170 Design filing fee	- 1 1	1452	. 110	2452	55	Petition to revive - unavoidable	
1003 530 2003 265 Plant filing fee 1004 770 2004 385 Reissue filing fee	- 1 1	1453	1330	2453	665	Petition to revive - unintentional	
1005 160 2005 80 Provisional filing	11	1501	1330	2501	665	Utility issue fee (or reissue)	
feb 80	- 1	1502	480	2502	240	Design issue fee	
SUBTOTAL (1) (5) 80	11	1503	640	2503	320	Plant issue fee	
	⊣ ∣	1460	130	1460	130	Petitions to the Commissioner	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	11	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Extra from Fee Claims below Paid		1806	180	1806	180	Submission of Information Disclosure Strnt	
Total Claims = • a Independent a • a		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
Multiple Decendent		1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
Large Entity Small Entity Foe Foe Foe Foe -	11	1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
Fee Fee		1801	770	2801	385	Request for Continued Examination (RCE)	
1201 86 2201 43 Independent claims in excess of 3		1802	900	1802	900	Requiest for expedited examination of a	
1203 290 2203 145 Multiple dependent claim, if not pair						design application	<u> </u>
1204 86 2204 43 Reissue independent claims ove organiae patent	′ _'	Other fee	(specify	n		•	1
1205 18 2205 9 ** Reissue claims in excess of 20							
and over original patent SUBTOTAL (2) (\$)		*Reduce	d by Ba	sic Filing	Fee Pa	ald SUBTOTAL (3) (\$)	_
or number previously paid, if greater, For Reissues, see above							

	SUBMITTED BY	Customer Number	
Name (Print/Type)	Karl R. Hermanns	Registration No. Attorney/Agent) 33,507	Customer Number
Signature		Date 3/16/64	00500